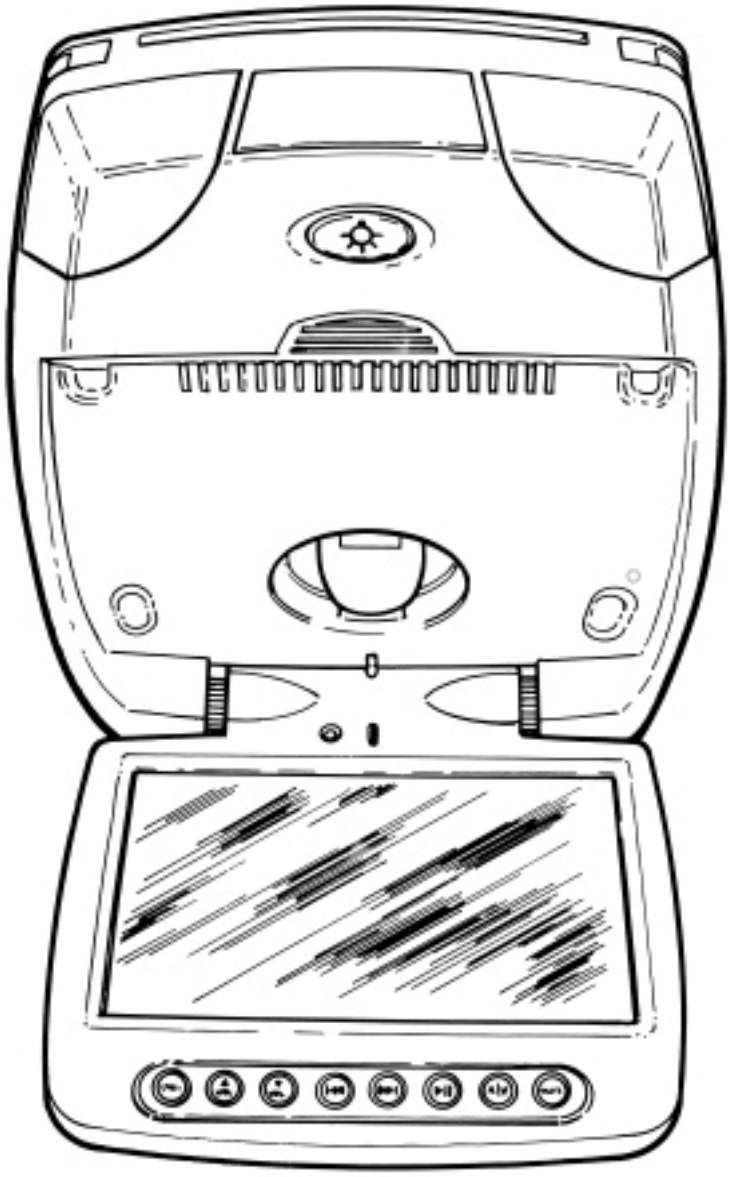
DELPHI



DELPHI MOBILE VIDEO DVDM-800

INSTALLATION GUIDE

Professional Installation Recommended

Caution: Fragile, do not drop!

Important: This manual contains important safety and operating information. Please read and follow the instructions in this manual. Failure to do so could result in personal injury, death, and/or damage to your DVDM-800 and/or to your vehicle.

CAUTION

- Use only a soft, dry cloth to clean the outside of your DVDM-800 and any peripherals.
- Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives.
- Do not use sprays near your unit.
- Refrain from using food or drinks near the remote control. Spilling food or drinks on the remote could damage it.
- Keep hands or materials away from the LCD video monitor to avoid surface scratches.
- Push the panel buttons gently to avoid damage to the hinge.
- Close the unit when not in use.
- Do not leave the unit's dome light on while the vehicle is unattended. The dome light could drain the vehicle's battery.
- When not in use, place the remote control and headphones where they will not be damaged.
- Before putting on headphones, always adjust the volume setting at the lowest level to avoid possible hearing damage.

IMPORTANT

An LCD panel and/or video monitor may be installed in a vehicle and visible to the driver if the LCD panel or video monitor is used for vehicle information, system control, rear or side observation, or navigation. If the LCD panel or video monitor is used for television reception, video, or DVD play, the LCD panel or video monitor must be installed so that these features will only function when the vehicle is in "park" or when the vehicle's parking brake is applied.

An LCD panel or video monitor used for television reception, video, or DVD play that operates when the vehicle is in gear or when the parking brake is not applied must be placed where it will not be visible, directly or indirectly, to the operator of the motor vehicle.

Caution: Fragile, do not drop!

⚠ This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ Warning: When using your DVDM-800, it is your sole responsibility to secure and use the device in a manner that will not cause accidents, personal injury or property damage, or in any manner obstruct your view or interfere with the operation of vehicle safety equipment.

It is your sole responsibility that this device is properly installed and that these operating instructions are read carefully, understood, and used consistent with the laws of operation for any state or country in which you use the device and with common sense. Failure to do so may result in an accident and personal injury, death, and/or property damage to your DVDM-800 and/or to your vehicle.

DELPHI DISCLAIMS ALL LIABILITY FOR ANY USE OF THIS PRODUCT IN A WAY THAT MAY CAUSE ACCIDENTS, DAMAGE, OR THAT MAY VIOLATE THE LAW.

⚠ Warning: To reduce the risk of fire or shock hazard, do not expose DVDM-800 to rain or moisture.

⚠ Warning: This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Do not open cover. Refer servicing to qualified service technician.

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DVDM-800

The DVDM-800 unit is intended for overhead, drop-down installation only. It is not designed for seat-back or any other type of mounting. When installed, rear-seat passengers should be able to comfortably view DVDM-800.

⚠ Warning: Do not install DVDM-800 where it will be within the driver's view.

SYSTEM ACCESSORIES

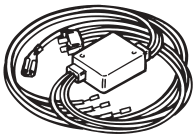
The Delphi Mobile Video system is sold with the following accessories:

❶ DVDM-800 unit with DVD player and 8" LCD monitor

MV10002-11B1 (Gray, 1-year warranty)
MV10015-11B1 (Neutral, 1-year warranty)
MV10017-11B1 (Gray, 3-year warranty)
MV10016-11B1 (Neutral, 3-year warranty)

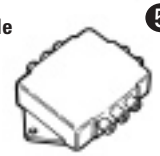
❷ Two sets of wireless headphones (requires 2 AAA batteries, included)

❸ Remote control (requires 2 AAA batteries, included)

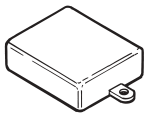


❹ Power cable

❺ A/V cable

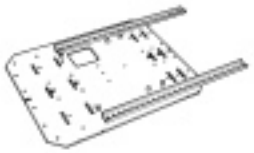


❻ A/V connection box



❼ Wireless FM transmitter (factory installed)

❽ User Manual and Installation Guide



❾ Galvanized steel mounting bracket

❿ Screws and spacers

Note: Installation materials sold separately include a shroud for a professional fit. Delphi highly recommends that you contact a professional to ensure proper installation. To locate a professional installer in your area, contact your retailer.

It is your sole responsibility that installation is completed properly and will not result in personal injury, death, and/or damage to your DVDM-800 and/or to your vehicle.

OPTIONAL ACCESSORY

(Not included in standard packaging.)

⓫ 8" decorative plastic shroud (mounting hardware included with item 10 above)

MV10010-11B1 (Gray)
MV10014-11B1 (Neutral)

INSTALLATION OVERVIEW

Generally, it is best to install the DVDM-800 unit in place of the vehicle's dome light. For vehicles with factory-installed overhead consoles in the headliner, consult the console manufacturer for complete installation instructions. Professional installation is recommended.

The exact method for mounting the DVDM-800 unit will vary from vehicle to vehicle. Here is an overview of the installation process:

1. Unpack DVDM-800 and identify all components.
2. Review and become familiar with the operating and installation literature. Note electrical requirements and determine the installation technique best suited to the vehicle.
3. Determine installation locations for all components, noting all potential obstacles.
4. Prepare the vehicle for installation:
   - Locate an accessory power source (+12V when the ignition key is in the ACC and "on" positions; 0V when the ignition is turned to "off"). Also locate a constant power source (+12V DC at all times) as well as a good grounding point. These connection points are typically found at the ignition switch, fuse box, radio, etc.
   - To gain access to the vehicle's wiring, remove the ceiling panel and any interior trim, using an upholstery hook tool if necessary.
   - Remove vehicle dome light, if necessary.
   - Cut any required access holes (headliner, other trim components, etc.).
   - If shroud will be used, additional trimming of the shroud may be required to conform to the vehicle roof.

Caution: Take care when removing the dome light and cutting the headliner to not damage the headliner fabric.

5. Route the power and A/V cables and any other component/accessory wiring throughout the vehicle, protecting wiring from sharp edges. For guidance, refer to the wiring diagram on page 6 as well as any instructions provided with other hardware such as gaming systems.
6. Connect all electrical components, insert a DVD, and verify that all system functions work properly prior to final mounting in the vehicle.
7. Mount DVDM-800, following the instructions provided in this guide.
8. Recheck all system functions to ensure that wiring is connected properly and that no wires are kinked or pinched.

⚠ Warning: Failure to properly follow these instructions could result in damage to the vehicle, its electronic system, other property, or personal injury and/or death.

MOUNTING DVDM-8oo

Recommended Tools and Equipment

- Upholstery hook tool (for removal of panels, if necessary)
- Scribe
- #1 and #2 Phillips screwdrivers
- Utility knife, razor knife, or shears
- Wire strippers
- Electrical tape
- Multimeter (to verify correct voltages and continuity; Delphi does not recommend using a test light or logic probe for this purpose)

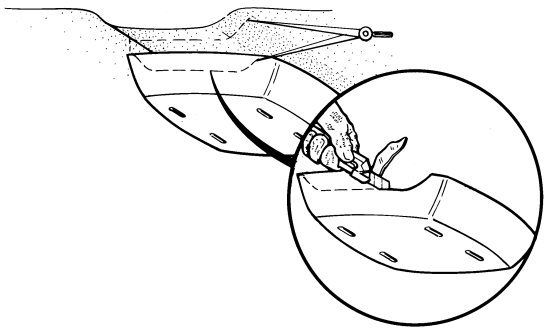
Depending on the roof geometry of the particular vehicle in which you are installing DVDM-800, there are three installation options: Attaching the unit directly to the roof supports with the shroud, bolting it into the mounting bracket alone, or installing it with both the shroud and the mounting bracket. See Figure 2.

Note: The following mounting sequence may be modified based on the installation option chosen.

1. With panels, trim, and dome light removed, install the video monitor temporarily to the vehicle roof by opening the unit and inserting bolts through the bolt holes directly into the roof supports. Leave a gap between the headliner and the outer flange of the video monitor.
2. Following the contour of the roof, mark the area to be trimmed on the shroud so that it will fill the gap between the headliner and outer flange.

3. Trim the shroud. Using a sharp utility knife or shears, score the plastic along the cutline with several passes, cutting a little deeper each time. When you have cut about halfway through the plastic, bend it back and forth several times for a clean cut. See Figure 1.

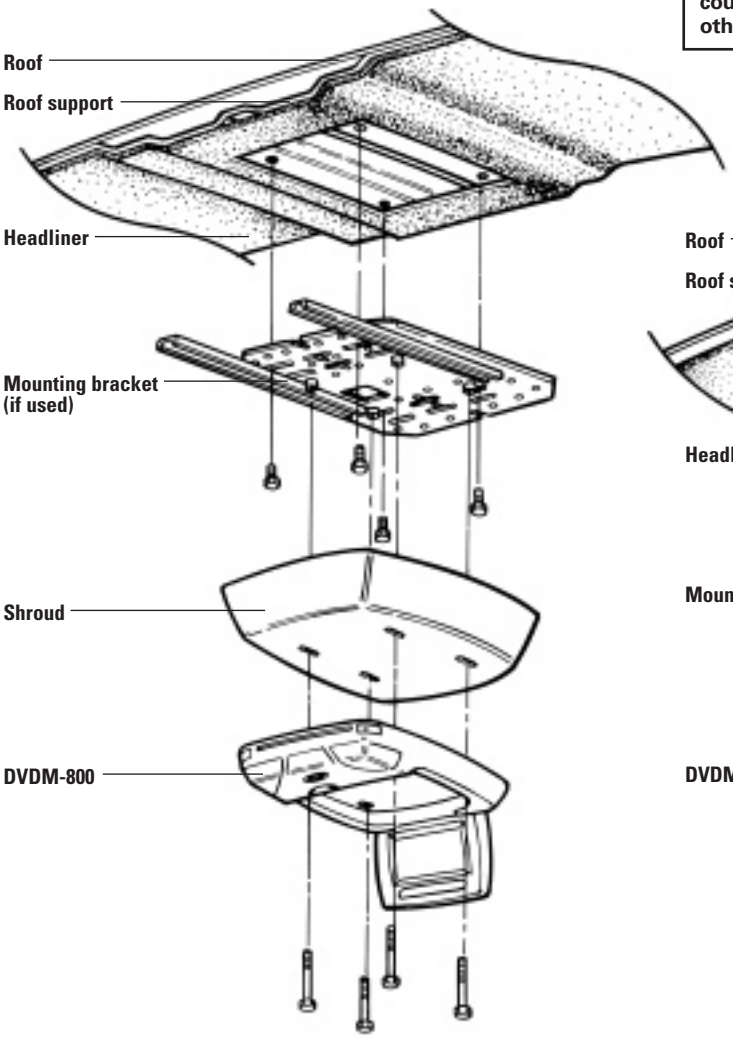
Figure 1.



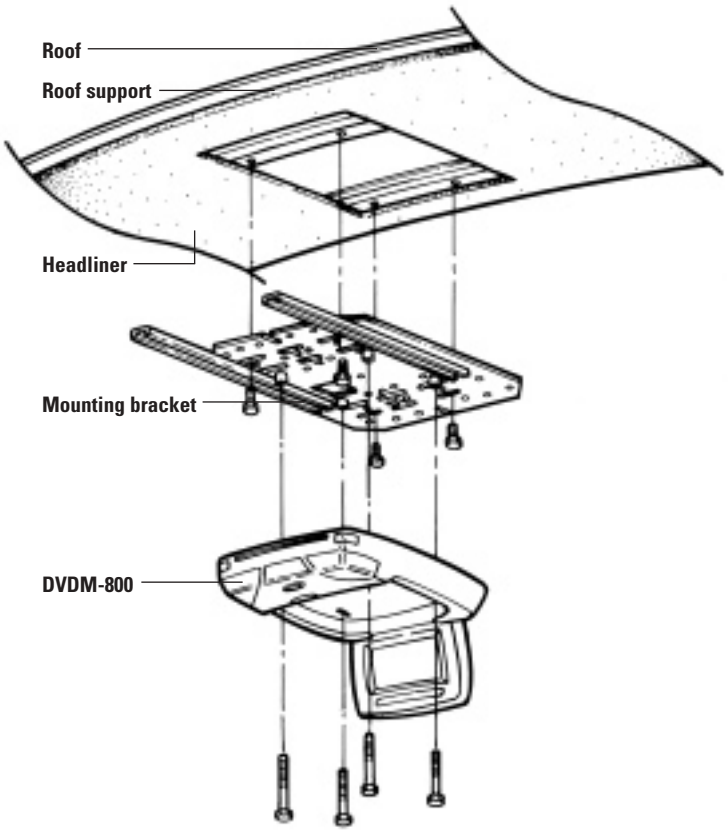
4. Remove the video monitor and hold the shroud in place, checking the fit.
5. Make minor adjustments, if necessary.
6. Attach DVDM-800 and shroud using screws through the perimeter screw bosses. Use spacers provided to support shroud as required. Do not overtighten. This can cause the assembly to distort or bend. See Figure 2. Use of screw locking compound recommended.
7. If using the mounting bracket, secure it to the roof support cross-members.
8. Attach DVDM-800 (alone or as part of the shroud assembly). The bolts should contact the roof support cross-members directly with no gap between the bolt and the roof structure. Be sure that bolts do not pierce the outer roof skin when fully fastened to the cross-member.

Figure 2.

⚠ Warning: Failure to properly follow these instructions could result in damage to the vehicle, its electronic system, other property, or personal injury and/or death.

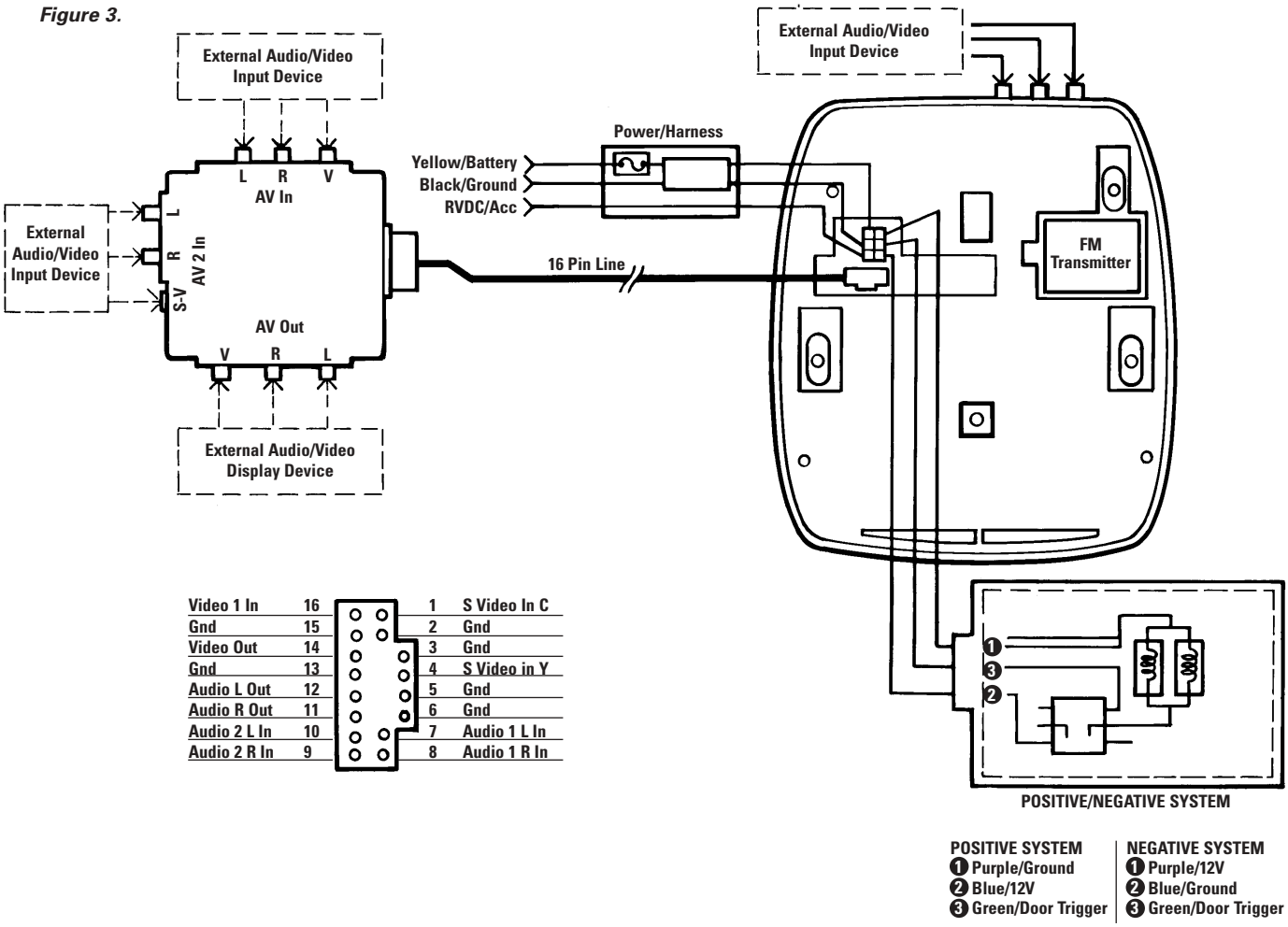


With Shroud



Without Shroud

Figure 3.



ELECTRICAL CONNECTIONS

1. Connect the power cable and A/V components to the appropriate vehicle electrical connections (Figure 3):
   a. Insert the 16-pin mini-DIN connector into the mini-DIN connector on the back of the system.
   b. Route A/V lead through vehicle, avoiding sharp edges and rub points, to location of A/V input/output box.
2. Connect the supplied power cable to the vehicle electrical system, tapping into an accessory hot line, constant battery line, and ground.
3. Verify that all system functions operate properly before final mounting. Refer to the *Delphi Mobile Video DVDM-800 User Manual* for detailed operating information.

⚠ Warning: Failure to properly follow these instructions could result in damage to the vehicle, its electronic system, other property, or personal injury and/or death.

CONNECTING THE DOME LIGHTS

The dome lights on DVDM-800 require three connections to the vehicle wiring. First, determine which of the two common types of dome light circuits your vehicle has: positive or negative switched. Positive switched systems turn the interior lights on by supplying voltage to them. Negative switched systems illuminate the bulbs by applying ground. The wires at the dome light will help you determine which system you have.

- On a **positive switched system,** with all vehicle doors closed and lights out, both wires at the dome light will rest at ground. When the light is turned on, one of these wires will switch to +12V DC (the vehicle's switching wire).

  Connect the purple/brown (lamp auto) wire to the vehicle's switched wire. Then, connect the red/black (lamp on) wire to a fused constant 12V source and the black/red (lamp common) wire to a good ground.

- On a **negative switched system,** with all vehicle doors closed and lights out, both wires at the dome light will rest at +12V DC. When the light is turned on, one of these wires will switch to ground (the vehicle's switching wire).

  Connect the purple/brown (lamp auto) wire to the vehicle's switched wire. Then, connect the red/black (lamp on) wire to a good ground and the black/red (lamp common) wire to a fused constant 12V source.

Note: Some vehicles incorporate transistorized control of the dome light circuit and may not support the additional current draw of the video monitor lights. In these cases, it may be necessary to connect the purple/brown (lamp auto) wire to the door pin switch wire.

⚠ Warning: Failure to properly follow these instructions could result in damage to the vehicle, its electronic system, other property, or personal injury and/or death.

SYSTEM TEST

When installation is complete, test the following:

1. Power connection
2. Dome light function
3. IR remote control
4. IR headphone function
5. A/V input/output functions
6. Wireless FM transmitter functions

TROUBLESHOOTING

If the Delphi Mobile Video unit does not appear to be functioning properly, please follow these troubleshooting guidelines:

No power at the DVD system:

1. Verify 12V DC power at the power cable behind the video monitor.
2. Verify the ground connection by conducting a continuity test from a known good ground to the black wire of the power cable.

Power on, no video or sound:

1. Verify selection of the correct A/V source (A/V1, AUX, or built-in DVD): Source should be "on" and playing a known good DVD.
2. Verify connections at both ends of the source component harness.

Picture with no sound:

1. Push and hold the volume up button on the remote control until sound is heard over wireless headphones.
2. Make sure radio is tuned to the correct frequency for the FM transmitter.
3. Verify all connections per the electrical wiring diagram on page 6.

Remote control doesn't work:

1. Check the strength of the two AAA batteries; if they are weak, replace both batteries with new ones.

Refer to the *Delphi Mobile Video DVDM-800 User Manual* for additional troubleshooting information.

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